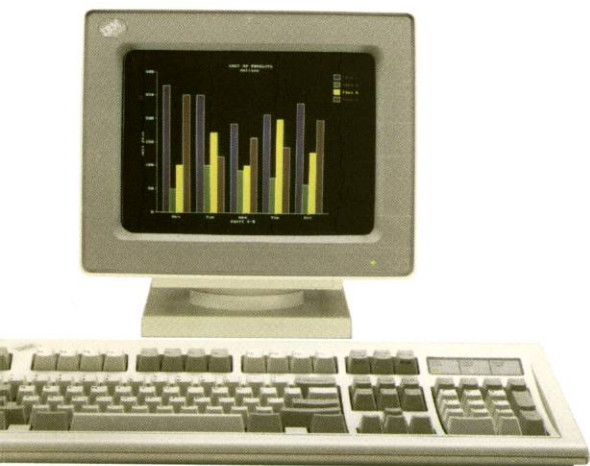*The next generation
in personal computing*

IBM Personal System/2
Model 80

IBM

IBM Personal System/2™ Model 80 at a glance

Microprocessor	80386, 16 MHz (Models 80-041 and 80-071) or 20 MHz (Models 80-111 and 80-311[1]) Optional: IBM 80387 Math Co-Processor (16 MHz on Models 80-041 and 80-071; 20MHz on Models 80-111 and 80-311)
Permanent memory (ROM)	128KB standard
Memory (RAM)	1MB (Model 80-041) or 2MB (Models 80-071, 80-111 and 80-311) of 80-nanosecond memory standard, expandable to 16MB with memory expansion options
Integrated functions	Video Graphics Array (VGA) and display port, serial port, parallel port, pointing device port, keyboard port and diskette controller
Text/graphics support **Display modes**	VGA supports CGA, EGA and MCGA modes and provides up to 256 colors (from a palette of over 256,000) and 64 shades of gray (monochrome) 320 x 200 pels x 256 colors—all points addressable 640 x 480 pels x 16 colors—all points addressable 9 x 16 character box—16 colors (text)
Dimensions	approx. 23.5" H x 6.5" W x 19" D (597mm x 166mm x 482mm)
Auxiliary storage	Model 80-041: one 1.44MB 3.5-inch diskette drive and a 44MB fixed disk standard; additional 44MB fixed disk optional Model 80-071: one 1.44MB 3.5-inch diskette drive and a 70MB fixed disk standard; additional 70MB, 115MB or 314MB fixed disk optional Model 80-111: one 1.44MB 3.5-inch diskette drive and a 115MB fixed disk standard; additional 70MB, 115MB or 314MB fixed disk optional Model 80-311: one 1.44MB 3.5-inch diskette drive and a 314MB fixed disk standard; additional 70MB, 115MB or 314MB fixed disk optional Also optional: either a second 1.44MB diskette drive or IBM 5.25" External Diskette Drive; IBM 3363 Optical Disk Drive, IBM 6157 Streaming Tape Drive
System expansion	Seven available expansion slots (three 32-bit, four 16-bit)
Keyboard	101 keys, including 12 function keys, 3 lighted mode indicators; 9-foot coiled cable
Power supply	225-watt worldwide autosensing power supply
Operating systems	IBM PC DOS 3.30, IBM Operating System/2™
Supported displays	IBM Personal System/2 Color Displays 8512, 8513 and 8514; IBM Personal System/2 Monochrome Display 8503
Supported printers	IBM Proprinter™ family, IBM Quietwriter® printers, IBM Wheelprinters, IBM Pageprinter, IBM Color Jetprinter
Communications support	IBM Token-Ring Network Adapter/A, IBM PC Network Adapter II/A, IBM PC Network Baseband Adapter/A, IBM 3270 Connection, System 36/38 Workstation Emulation Adapter, IBM Dual Async Adapter/A, IBM Multi-Protocol Adapter/A, IBM 300/1200 Internal Modem/A

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® *IBM and Quietwriter are registered trademarks of International Business Machines Corporation.*
[1] *Model 80-111 and Model 80-311 refer to IBM Personal System/2 Models 8580-111 and 8580-311, respectively.*
[2] *8½ x 11-inch, double-spaced typewritten pages.*
[3] *Before copying any software product, be sure to read, understand and comply with the specific license agreement and installation instructions for that product.*

IBM Personal System/2 Model 80 features

Feature	Function	Benefit
Intel 80386 microprocessor	Processes data at a clock speed of 16 MHz (Models 80-041 and 80-071) or 20 MHz (Models 80-111 and 80-311)	High-performance, high-speed computing
128KB of permanent memory	Includes security features and Advanced BIOS functions	Data and program security; support for concurrent operations
1MB or 2MB of memory (RAM), expandable to 16MB with memory expansion options	Access rate of 80 nanoseconds; provides electronic workspace for lengthy programs and files, and/or multiple applications	Rapid data processing; support for advanced applications, including multitasking/ multiuser applications and network services
Micro Channel™ architecture	Delivers rapid processing and throughput	Balanced system performance; open system; growth potential to keep pace with changing needs
Integrated functions and streamlined design	Pack more capabilities into fewer components	Easy setup, operation and expansion; better price/ performance; enhanced reliability
Built-in VGA capabilities	Include up to 256 colors (from a palette of over 256,000) plus 64 shades of gray (monochrome); support for new modes of display	High-quality, high-detail graphics and text; improved on-screen readability
Internal fixed disk drives	Provide 44MB, 70MB, 115MB or 314MB of storage for up to 22,000, 35,000, 56,000 or 155,000 pages[2] of information, respectively; 40ms, 30ms, 28ms or 23ms average access (based on model); user-selectable cache memory; 1:1 disk interleave factor	Faster, more convenient access to programs and data than with diskettes; support for advanced applications, large data bases, and network services; enhanced throughput via reduced storage and retrieval time on fixed disks
Fixed disk drive options	Provide an additional 44MB, 70MB, 115MB or 314MB of storage (based on model)	Easy expansion of fixed disk storage capacity
1.44MB 3.5-inch diskette drive	Stores up to 720 pages[2] of information on a double-sided diskette; second diskette drive optional	Less diskette handling; allows user to create portable and backup files
5.25-inch external diskette drive option	Provides capability to interchange 5.25-inch data and software[3] diskettes with other systems using 5.25-inch diskettes	Compatibility with IBM PC 360KB diskettes
200MB optical disk drive option	Writes once, reads many times; holds up to 100,000 pages[2] of information on one cartridge	Fixed disk backup; large permanent storage; media removable for archiving
Streaming tape drive option	Saves/restores data for using systems	Fast, convenient save/restore and data exchange between systems
IBM Enhanced PC Keyboard	Has 101 keys, including 12 function keys and 3 lighted mode indicators	Simplified command entry; less chance of accidental printing or erasing
Network and host emulation capabilities	With the appropriate hardware and software, offer network services and connection to larger systems	Shared hardware and software;[3] electronic mail capability; workgroup productivity benefits; access to mainframe functions, files and applications
IBM support and service	Assure parts and service nationwide; offer 12-month limited warranty	Customer purchase backed by IBM